



IAP7 Rec'd PCT/PTO 13 FEB 2006

PCT

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: February 8, 2006

Signature:

*Nabeela R. McMillian*  
(Nabeela R. McMillian)

Docket No.: 30694/41508  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Orit Kollet et al.

Application No.: 10/552,314

Filed: October 7, 2005

Art Unit: Not Yet Assigned

For: Stem Cells Having Increased Sensitivity to a  
Chemoattractant and Methods of Generating  
and Using Same

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO - SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

All patents and publications in the attached Form PTO - SB/08 are supplied herewith, with the exception of the U.S. Patent Document, in accordance with the waiver of the requirement under 37 CFR §1.98 (a)(2)(i).

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for the instant application under any section of 35 U.S.C. §102 or 35 U.S.C. §103.


In accordance with 37 CFR §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other

material information as defined in 37 CFR §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.98 and the Examiner is respectfully requested to consider the listed references.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date of the above-referenced application, but prior to the mailing date of the first Office Action on the merits (37 C.F.R. §1.97(b)). As such, no fees are believed to be necessary; however, the Commissioner is hereby authorized to charge any deficiency in the fees filed or credit any overpayments to our Deposit Account No. 13-2855. A copy of this paper is enclosed.

Dated: February 8, 2006

Respectfully submitted,

By 

Nabeela R. McMillian

Registration No.: 43,363

MARSHALL, GERSTEIN & BORUN LLP

233 S. Wacker Drive, Suite 6300

Sears Tower

Chicago, Illinois 60606-6357

(312) 474-6300

Attorney for Applicant



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/552,314
				Filing Date	October 7, 2005
				First Named Inventor	Orit Kollet
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	3	Attorney Docket Number	30694/41508

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1*	US-3,791,932	02-12-1974	Schuurs et al.	
	A2*	US-3,839,153	10-01-1974	Schuurs et al.	
	A3*	US-3,850,578	11-26-1974	McConnell	
	A4*	US-3,850,752	11-26-1974	Schuurs et al.	
	A5*	US-3,853,987	12-10-1974	Dreyer	
	A6*	US-3,867,517	02-18-1975	Ling	
	A7*	US-3,879,262	04-22-1975	Schuurs et al.	
	A8*	US-3,901,654	08-26-1975	Gross	
	A9*	US-3,935,074	01-27-1976	Rubenstein et al.	
	A10*	US-3,984,533	10-05-1976	Uzgiris	
	A11*	US-3,996,345	12-07-1976	Ullman et al.	
	A12*	US-4,034,074	07-05-1977	Miles	
	A13*	US-4,098,876	07-04-1978	Piasio et al.	
	A14*	US-4,588,585	05-13-1986	Mark et al.	
	A15*	US-4,666,828	05-19-1987	Gusella	
	A16*	US-4,683,202	07-28-1987	Mullis	
	A17*	US-4,737,462	04-12-1988	Mark et al.	
	A18*	US-4,801,531	01-31-1989	Frossard	
	A19*	US-4,873,316	10-10-1989	Meade et al.	
	A20*	US-4,879,111	11-07-1989	Chong	
	A21*	US-4,879,219	11-07-1989	Wanots et al.	
	A22*	US-4,904,584	02-27-1990	Shaw	
	A23*	US-4,959,314	09-25-1990	Mark et al.	
	A24*	US-4,965,195	10-23-1990	Namen et al.	
	A25*	US-5,011,771	04-30-1991	Bellet et al.	
	A26*	US-5,017,691	05-21-1991	Lee et al.	
	A27*	US-5,116,943	05-26-1992	Koths et al.	
	A28*	US-5,192,659	03-09-1993	Simons	
	A29*	US-5,272,057	12-21-1993	Smulson et al.	
	A30*	US-5,281,521	01-25-1994	Trojanowski et al.	
	A31*	US-5,486,359	01-23-1996	Caplan et al.	
	A32*	US-5,591,625	01-07-1997	Gerson et al.	
	A33*	US-5,843,780	12-01-1998	Thomson	
	A34*	US-5,928,638	07-27-1999	Uchida et al.	
	A35*	US-5,968,501	10-19-1999	Comoglio	
	A36*	US-6,090,622	07-18-2000	Gearhart et al.	
	A37*	US-6,132,708	10-17-2000	Grompe	
	A38*	US-6,143,292	11-07-2000	Slavin	
	A39*	US-6,162,427	12-19-2000	Baumann et al.	
	A40*	US-6,184,035	02-06-2001	Csete et al.	
	A41*	US-6,248,587	06-19-2001	Rodgers et al.	
	A42*	US-6,258,597	07-10-2001	Bachovchin et al.	
	A43*	US-6,280,718	08-28-2001	Kaufman et al.	
	A44*	US-6,326,198	12-04-2001	Emerson et al.	
	A45*	US-6,383,481	05-07-2002	Ikehara et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/552,314
				Filing Date	October 7, 2005
				First Named Inventor	Orit Kollet
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	3	Attorney Docket Number	30694/41508

	A46*	US-6,436,704	08-20-2002	Roberts et al.	
	A47*	US-6,447,765	09-10-2002	Horwitz	
	A48*	US-6,447,766	09-10-2002	Pelus et al.	
	A49*	US-6,511,958	01-28-2003	Atkinson et al.	
	A50*	US-6,541,623	04-01-2003	Ford et al.	
	A51*	US-RE 33,653	07-30-1991	Mark et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
	B1	EP-0 264 166		04-20-1988	Gordon et al.		
	B2	EP-0 550 769		07-14-1993	Komiyama et al.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	Aiuti et al., J. Exp. Med., 185(1):111-120 (1997)	
	C2	Alison et al., Nature, 406:257 (2000)	
	C3	Azizi et al., Proc. Natl. Acad. Sci. USA, 95:3908-3913 (1998)	
	C4	Bjornson et al., Science, 283:534-537 (1999)	
	C5	Byrne et al., Proc. Natl. Acad. Sci. USA, 86:5473-5477 (1989)	
	C6	Eglitis et al., Proc. Natl. Acad. Sci. USA, 94:4080-4085 (1997)	
	C7	Galimi et al., J. Cell Biol., 127(6 pt 1):1743-1754 (1994)	
	C8	Gohda et al., J. Clin. Invest., 81:414-419 (1988)	
	C9	Jackson et al., J. Clin. Invest., 107(11):1395-1402 (2001)	
	C10	Janowska-Wieczorek et al., Stem Cells, 19:99-107 (2001)	
	C11	Kmiecik et al., Blood, 80(10):2454-2457 (1992)	
	C12	Kollet et al., Blood, 97(10):3283-3291 (2001)	
	C13	Kollet et al., J. Clin. Invest., 112(2):160-169 (2003)	
	C14	Krause et al., Cell, 105:369-377 (2001)	
	C15	Lagasse et al., Nat. Med., 6(11):1229-1234 (2000)	
	C16	Lotti et al., J. Virol., 76(8):3996-4007 (2002)	
	C17	Mezey et al., Science, 290:1779-1782 (2000)	
	C18	Nagasawa et al., Proc. Natl. Acad. Sci. USA, 91:2305-2309 (1994)	
	C19	Nishino et al., Blood, 85(11):3093-3100 (1995)	
	C20	Orlic et al., Nature, 410:701-705 (2001)	
	C21	Pablos et al., Am. J. Pathol., 155(5):1577-1586 (1999)	
	C22	Peled et al., Science, 283:845-848 (1999)	
	C23	Petersen et al., Science, 284:1168-1170 (1999)	
	C24	Resnick et al., Proc. Natl. Acad. Sci. USA, 90:4591-4595 (1993)	
	C25	Rubin et al., Proc. Natl. Acad. Sci. USA, 88:415-419 (1991)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(Use as many sheets as necessary)***Complete if Known**

Application Number	10/552,314
Filing Date	October 7, 2005
First Named Inventor	Orit Kollet
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	30694/41508

Sheet	3	of	3
-------	---	----	---

C26	Shamblott et al., Proc. Natl. Acad. Sci. USA, 95:13726-13731 (1998)	
C27	Takai et al., Blood, 89(5):1560-1565 (1997)	
C28	Thomson et al., Proc. Natl. Acad. Sci. USA, 92:7844-7848 (1995)	
C29	Thomson et al., Science, 282:1145-1147 (1998)	
C30	Tomita et al., Circulation, 100[suppl II]:II-247 - II-256 (1999)	
C31	Wang et al., Am. J. Pathol., 158(2):571-579 (2001)	
C32	Weidner et al., J. Cell. Biol., 111:2097-2108 (1990)	
C33	Weissman, Cell, 100:157-168 (2000)	
C34	Winoto et al., EMBO J., 8(3):729-733 (1989)	
C35	Wright et al., J. Exp. Med., 195(9):1145-1154 (2002)	
C36	Zanjani et al., Blood, 94(7):2515-2522 (1999)	
C37	Zheng et al., Nat. Biotechnol., 18:176-180 (2000)	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--